

WHAT IS CLAIMED IS:

1. A method for producing an anti-tumor response in a mammalian subject in need of anti-tumor treatment, said  
5 method comprising administering to said subject a plurality of dendritic cell/tumor cell hybrids wherein said tumor cell corresponds to the tumor cell in said hybrids.

2. A method for producing an anti-tumor response in a mammalian subject in need of anti-tumor treatment, said  
10 method comprising administering to said subject autologous immune cells activated *in vitro* by the method of claim 1.

3. A method for producing an anti-tumor response in a mammalian subject in need of anti-tumor treatment, said  
15 method comprising administering to said subject a dendritic-like cell or dendritic cell/tumor cell hybridoma, wherein said tumor cell corresponds to the tumor cell in said mammalian subject.

4. A method for producing an anti-tumor response in a mammalian subject in need of anti-tumor treatment, said  
20 method comprising administering to said subject autologous immune cells activated *in vitro* by co-cultivating *in vitro* a dendritic cell/tumor cell hybridoma with immune cells from a mammalian subject in need of anti-tumor treatment.